



Randolph Blake

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CONTACT INFORMATION

Centennial Professor of Psychology
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EDUCATION

University of Texas, Arlington: B.A. highest honors, 1967
University of Minnesota, Human Learning Center: National Science Foundation Summer Fellow, 1968
Vanderbilt University: M.A., 1969, Ph.D. 1972, National Institutes of Mental Health Predoctoral Fellow.
Baylor College of Medicine, Department of Ophthalmology and University of Texas Sensory Sciences Center: National Institutes of Mental Health Postdoctoral Fellow, 1972-1974

PROFESSIONAL AFFILIATIONS

Association for Research in Vision and Ophthalmology (Fellow)
Psychonomic Society (Fellow)
American Association for the Advancement of Science (Fellow)
Sigma Xi
Association for Psychological Science (Fellow)
Visual Sciences Society
Association for the Scientific Study of Consciousness
American Academy of Arts and Sciences (Fellow)
American Synesthesia Association
Japan Society for Promotion of Science Alumni Association
National Academy of Sciences
Society of Experimental Psychologists

HONORS/AWARDS/SPECIAL LECTURES

[Early Career Award, American Psychological Association](#), 1977
[Northwestern University Award for Excellence in Teaching](#), 1978
Career Development Award, National Institutes of Health, 1978-83
[Fellow, American Association for the Advancement of Science](#), Elected 1987
[Fellow, Association for Psychological Science](#), Elected 1990
[Fellow, Japan Society for Promotion of Science](#), 1992, 2004
William Evans Professorship, Otago University, 1995
[Earl Sutherland Prize](#), Vanderbilt University, 2000
Wolfgang Kohler Memorial Lecture, Dartmouth College, 2001
[Centennial Professor, Vanderbilt University](#), 2000
[Distinguished Alumni Award](#), University of Texas, Arlington, 2002

Distinguished Faculty Award, Vanderbilt University, 2002
Fellow, [Society of Experimental Psychologists](#), Elected 2005
[Chancellor's Research Award](#), Vanderbilt University, 2004
Fellow, [American Academy of Arts & Sciences](#), Elected in Class of 2006
Helmholtz Lecture, Utrecht University, 2006
[Ig Nobel Prize Winner, AIR/Harvard](#), 2006
[Vanderbilt University College of Arts & Science Graduate Mentoring Award](#), 2006
[Vanderbilt Department of Psychology Outstanding Alumni Award](#), 2007
[Jefferson Award](#), Vanderbilt University, August 2008
University of Sydney International Visiting Research Fellow, 2009
Fellow, [Association for Research in Vision & Ophthalmology](#), 2010
Foreign Scholar, [World Class University Initiative](#), National Research Foundation, Korea, 2010-2013
Ralph George Memorial Lecture, Berry College, 2011
Keynote Address, [Asia-Pacific Conference on Vision](#), 2012
Member, [National Academy of Sciences](#), Elected in Class of 2012
Elected Fellow [Psychonomic Society](#), 2014
17th Annual [Pinkel Endowed Lecture](#), U. Pennsylvania, 2015
Keynote Address, Annual Meetings of the [Japan Psychological Association](#), Nagoya Japan, 2015
International Research Collaboration Award, University of Sydney, 2016.

RESEARCH SUPPORT

National Institutes of Health MH109225-01: "Peripersonal space representation as a basis for social deficits in autism and schizophrenia spectrum disorders", 2016-2018 (co-PI with Carisa Cascio)
National Institutes of Health EY022752: "Relation of GABA levels in visual cortex to interocular suppression" 2013-2016.
Korea Science and Engineering Foundation/Ministry of Education, Science and Technology R31-10089: "Resolution of perceptual ambiguity" 2008-20013 (co-PI with S.H. Lee)
National Institutes of Health EY13358: "Binocular rivalry in human vision" 2000-2012.
National Institutes of Health EY16752 "Traveling waves in visual cortex during binocular rivalry" 2005-2008 (co-PI with D. Heeger and E. Seidmann).
National Institutes of Health EY014437: "Effective connectivity in brain imaging vision" 2003-2007
National Institutes of Health EY07760: "Mechanisms of perceptual organization in human vision" 2000-2008
National Science Foundation 0121962: "Imaging brain areas involved in biological motion perception" 2001-2002
Department of Naval Research/Defense University Research Instrumentation Program:
"Instrumentation for fMRI Research" 1999 – 2002.
National Science Foundation grant BCS-0079579: "Instrumentation for Cognitive Neuroscience Brain Imaging" (2000 - 2001)
Discovery Grant: "Brain Imaging and Visual Perception" 1999 – 2003.
National Institutes of Health EY07760: "Binocular vision and motion perception" 1988 - 2000.
National Science Foundation BNS87-17204: "Texture and form perception" 1987 - 1991.
National Science Foundation grant BNS84-18731: "Psychophysical Studies of Binocular Rivalry" 1985-1988.
National Institutes of Health grant EY01596: "Spatial Vision In Normal and Visually-deprived Cats" 1976-1986.
National Science Foundation grant BNS83-40069: "Binocular Vision" 1982-1985.
National Science Foundation grant BNS75-17073: "Spatial Vision" 1975-1977.

UNIVERSITY/ADMINISTRATIVE EXPERIENCE

Vanderbilt

Co-Chair, Vanderbilt Brain Institute Directorship Search Committee, 2016 - present
Associate Chair, Department of Psychology, Vanderbilt University, 2014 - present
Chief of Staff, Chancellor Search Committee, 2007 - 2008

Professor of Ophthalmology and Visual Science, 2007 - present
Neuroscience Council Member, Vanderbilt University, 2004 -- 2006
Steering Committee Chair, NeuroImaging Center, Vanderbilt University, 2000 - 2003
Member, Kennedy Center Directorship Search Committee, 2000
Member, Arts & Science Faculty Council, Vanderbilt University, 1995 - 1997
Member & Subcommittee Chair, University Research Council, Vanderbilt University, 1998 - 2002
Kennedy Center Investigator, Vanderbilt University, 1988 - present
Vanderbilt Vision Research Center Investigator, Vanderbilt University, 1989 - present
Member, Committee on Integrative & Cognitive Neuroscience, 1998 - present
Member, Provost's Committee on Teaching Evaluation, 1992
Chairman, Vanderbilt University Arts & Science Deanship Search Committee, 1992/93
Member, Vanderbilt University Provost Search Committee, 1992/93
Member, Vanderbilt University Peabody Deanship Search Committee, 1989/91
Centennial Professor, Vanderbilt University, 2000 - present
Chairman, Department of Psychology, Vanderbilt University, 1988 – 1996; 2002; 2004-06
Professor of Psychology, Vanderbilt University, 1988-present

Seoul National University

Professor of Brain and Cognitive Sciences, 2010 – 2015, funded by World Class University Initiative,
Korea Science and Engineering Foundation

Northwestern University

Professor of Psychology and Neurobiology/Physiology, Northwestern University, 1981-1988
Associate Professor of Psychology, Northwestern University, 1977-1981
Assistant Professor of Psychology, Northwestern University, 1974-1977
Director of Undergraduate Studies, Psychology Department, Northwestern University, 1976-1977
Chairman, Task Force on Cognitive Science, Northwestern University
Neuroscience Steering Committee Member, Northwestern University

PROFESSIONAL SERVICE

Editorial Service: Section Editor, Vision Research 1999 - 2002; Editorial Board Member (past and/or present): Proceedings of the National Academy of Science, Psychological Review, Journal of Experimental Psychology: Human Perception & Performance; Perception & Psychophysics, Vision Research, Journal of Vision, Annual Review of Psychology
Chair, Selection Committee for Early Career Award, American Psychological Association, 1998
Member Executive Committee, Council of Graduate Departments of Psychology, 1988-91.
Member Committee on Vision, National Academy of Sciences, 1985 - 1988
National Science Foundation Panel Member, Sensory Physiology and Perception, 1985 - 1988
Program Committee Member, Association for Research in Vision and Ophthalmology, 1983 -1985 (Chair, 1985).
Ad Hoc Member, NIH Study Section (multiple times)
Member Executive Committee, Vision Sciences Society 2001 - 2006.
Advisory Group Member, NIH Program for Centers of Biomedical Research Excellence, 2006-2014.
Review Panel, Ford Foundation Fellowship Award Program, 2014
Membership Committee, National Academy of Sciences, Section 52, 2016-current

TEACHING INTERESTS

Perception, Brain and Consciousness, Methods in Experimental Psychology, Nature of Reality, Brain Imaging, Art/Mind/Brain, History of Psychology

PUBLICATIONS

[\(h-index = 75; i10 index = 245\)](#)

- Bernstein, I.H., Blake, R.R., & Hughes, M.H. (1968) Effects of time and event uncertainty upon sequential information processing. *Perception & Psychophysics*, 3, 177-184.
- Blake, R. & Fox, R. (1969) Visual form recognition threshold and the psychological refractory period. *Perception & Psychophysics*, 5, 46-49.
- Bernstein, I., Blake, R. & Clark, M.H. (1970) Sensitivity and decisional effects in the psychological refractory period. *Perception & Psychophysics*, 7, 33-37.
- Blake, R.R., Wales, R., & Ray, W.J. (1970) Effects of rule structure, sensitivity distribution, and number of trials on threshold estimation by method of limits: A computer simulation. *Perceptual and Motor Skills*, 30, 719-722.
- Blake, R., Fox, R. & Lappin, J. Invariance in reaction time classification of same and different letter pairs. *Journal of Experimental Psychology*, 1970, 85, 133-137.
- Wales, R., & Blake, R.R. (1970) Rule for obtaining 75% threshold using the staircase method. *Journal of the Optical Society of America*, 60, 284-285.
- Blake, R.R., Fox, R., and McIntyre, C. (1971) Stochastic properties of stabilized-image binocular rivalry alternations. *Journal of Experimental Psychology*, 88, 327-332.
- Fox, R., and Blake, R. (1971) Stereoscopic vision in the cat. *Nature*, 233, 55-56.
- Westendorf, D.H., Blake, R., and Fox, R. (1972) Binocular summation of equal-energy flashes of unequal duration. *Perception & Psychophysics*, 12, 445-448.
- Blake, R., and Fox, R. (1972) Interocular transfer of adaptation to spatial frequency during retinal ischaemia. *Nature*, 240, 76-77
- Fox, R., Blake, R., and Bourne, J.R. (1973) Visual evoked cortical potentials during pressure-blinding. *Vision Research*, 13, 501-503.
- Blake, R., and Fox, R. (1973) The psychophysical inquiry into binocular summation. *Perception & Psychophysics*, 14, 161-185.
- Blake, R. and Fox, R. (1974) Binocular rivalry suppression: Insensitive to spatial frequency and orientation change. *Vision Research*, 14, 687-692.
- Blake, R., Crawford, M.L.J., and Hirsch, H.V.B. (1974) Consequences of alternating monocular occlusion on eye alignment and convergence in cats. *Investigative Ophthalmology*, 13, 121-126.
- Blake, R., and Fox, R. (1974) Adaptation to "invisible" gratings and the site of binocular rivalry suppression. *Nature*, 249, 488-490.
- Blake, R., Fox, R., and Westendorf, D. (1974) Visual size constancy occurs after binocular rivalry. *Vision Research*, 14, 585-586.
- Blake, R., and Crawford, M.L.J. (1974) Development of strabismus in Siamese cats. *Brain Research*, 77, 492-496.
- Blake, R., Cool, S.J., and Crawford, M.L.J. (1974) Visual resolution in the cat. *Vision Research*, 14, 1211-1217.
- Crawford, M.L.J., Blake, R., Cool, S.J., and von Noorden, G. (1975) Physiological consequences of unilateral and bilateral eye closure in macaque monkeys: Some further observations. *Brain Research*, 84, 150-155.
- Blake, R., and Hirsch, H.V.B. (1975) Binocular depth discrimination in normal and specially-reared cats. *Science*, 190, 1114-1116.
- Blake, R., Camisa, J., and Antionetti, D.N. (1976) Binocular depth discrimination depends on orientation. *Perception & Psychophysics*, 20, 1113-1118.
- Blake, R. and Lehmkuhle, S. (1976) On the site of strabismic suppression. *Investigative Ophthalmology*, 15, 660-663.
- Blake, R. and Antionetti, D.N. (1976) Abnormal visual resolution in the Siamese cat. *Science*, 194, 109-110.
- Camisa, J., Blake, R., and Lema, S.A. (1977) Effects of temporal modulation on the oblique effect in humans. *Perception*, 6, 165-171.
- Blake, R. and Levinson, E. (1977) Spatial properties of binocular neurones in the human visual system. *Experimental Brain Research*, 27, 221-232.
- Blake, R. (1977) Threshold conditions for binocular rivalry. *Journal of Experimental Psychology*, 3, 251-257.

- Lema, S.A., and Blake, R. (1977) Binocular summation in normal and stereoblind humans. *Vision Research*, 17, 691-695.
- Blake, R., and Camisa, J. (1977) Temporal aspects of spatial vision in the cat. *Experimental Brain Research*, 28, 325-333.
- Camisa, J., Blake, R., and Levinson, E. (1977) Visual motion perception in the cat is directionally selective. *Experimental Brain Research*, 29, 429-432.
- Blake, R., and Bellhorn, R. (1978) Visual acuity in cats with central retinal lesions. *Vision Research*, 18, 15-18.
- Blake, R., and Camisa, J. (1978) Is binocular vision always monocular? *Science*, 200, 1497-1499.
- Levinson, E., and Blake, R. (1979) Stereopsis by harmonic analysis. *Vision Research*, 19, 73-78.
- Blake, R. and Camisa, J. (1979) The inhibitory nature of binocular rivalry suppression. *Journal of Experimental Psychology*, 5, 315-323.
- Blake, R. and Lema, S. (1978) Inhibitory effect of binocular rivalry suppression is independent of orientation. *Vision Research*, 18, 541-554.
- Blake, R., and Cormack, R. (1979) Psychophysical evidence for a monocular visual cortex: Utrocular discrimination in normal and stereoblind humans. *Science*, 203, 274-275.
- Blake, R. and Overton, R. (1979) The site of binocular rivalry suppression. *Perception*, 8, 143-152.
- Blake, R. and Cormack, R. (1979) Does contrast disparity generate stereopsis? *Vision Research*, 19, 913-915.
- Blake, R. and Cormack, R. (1979) On utrocular discrimination. *Perception & Psychophysics*, 26, 53-68.
- Blake, R. and Mills, J. (1979) Pattern and flicker detection examined in terms of the naso-temporal division of the retina. *Perception*, 8, 548-555.
- Blake, R. (1979) The visual system of the cat. *Perception & Psychophysics*, 26, 423-448.
- Blake, R. and Rush, C. (1980) Temporal properties of binocular mechanisms in human vision. *Experimental Brain Research*, 38, 333-340.
- Blake, R. and DiGianfillipo, A. (1980) Spatial vision in cats with selective neural deficits. *Journal of Neurophysiology*, 43, 1197-1205.
- Martens, W. and Blake, R. (1980) Uncertainty impairs grating detection in the cat. *Perception & Psychophysics*, 27, 229-231.
- Blake, R., Westendorf, D. and Overton, R. (1980) What is suppressed during binocular rivalry? *Perception*, 9, 223-231.
- Cormack, R. and Blake, R. (1980) Do the two eyes constitute separate visual channels? *Science*, 207, 1100-1101.
- Blake, R., Breitmeyer, B. and Green, M. (1980) Contrast sensitivity and binocular brightness. *Perception & Psychophysics*, 27, 180-191.
- Blake, R., Martens, W., Garrett, A. and Westendorf, D. (1980) Estimating probability summation for binocular reaction time. *Perception & Psychophysics*, 27, 375-378.
- Blake, R., Overton, R. and Lema-Stern, S. (1981) Interocular transfer of visual aftereffects. *Journal of Experimental Psychology: Human Perception and Performance*, 7, 367-381.
- Green, M. and Blake, R. (1981) Phase effects in monoptic and dichoptic temporal integration: flicker and motion detection. *Vision Research*, 21, 365-372.
- Blake, R. and Martens, W. (1981) Critical bands in cat spatial vision. *Journal of Physiology*, 314, 175-187.
- Blake, R. (1981) Binocular rivalry and perceptual inference. *Perception & Psychophysics*, 29, 77-78.
- Leguire, L., Blake, R. and Sloane, M. (1981) A novel visual illusion of bars made from triangles. *Science*, 212, 1172-1175.
- Martens, W., Blake, R., Sloane, M. and Cormack, R. (1981) What masks utrocular discrimination. *Perception & Psychophysics*, 30, 521-532.
- Blake, R., Sloane, M., and Fox, R. (1981) Further developments in binocular summation. *Perception & Psychophysics*, 30, 266-276.
- Leguire, L. and Blake, R. (1982) The role of threshold in afterimage visibility. *Journal of the Optical Society of America*, 72, 1232-1237.
- Westendorf, D., Blake, R., Sloane, M., and Chambers, D. (1982) Binocular summation occurs during interocular suppression. *Journal of Experimental Psychology: Human Perception and Performance*, 8, 81-90.
- Blake, R. (1982) Binocular vision in normal and stereoblind individuals. *American Journal of Optometry*

- and *Physiological Optics*, 59, 969-975.
- Leguire, L., Blake, R., and Sloane, M. (1982) The square-wave illusion and phase anisotropy of the human visual system. *Perception*, 11, 547-556.
- Holopigian, K. and Blake, R. (1983) Spatial vision in strabismic cats. *Journal of Neurophysiology*, 50, 287-296.
- Zimba, L. and Blake, R. (1983) Binocular rivalry and semantic processing: Out of sight, out of mind. *Journal of Experimental Psychology: Human Perception and Performance*, 9, 807-815.
- Holopigian, K. and Blake, R. (1984) Abnormal spatial frequency channels in esotropic cats. *Vision Research*, 24, 677-687.
- Sloane, M. and Blake, R. (1984) Selective adaptation of monocular and binocular neurons in human vision. *Journal of Experimental Psychology: Human Perception and Performance*, 10, 406-412.
- Greenwald, M., Greenwald, S., and Blake, R. (1983) Long-lasting visual aftereffect from viewing a video display. *New England Journal of Medicine*, 309, 315.
- Blake, R. and Petrakis, I. (1984) Contrast discrimination in the cat. *Behavioral Brain Research*, 12, 155-162.
- Boothroyd, K. and Blake, R. (1984) Stereopsis from disparity of complex grating patterns. *Vision Research*, 24, 1205-1222.
- Blake, R. and Holopigian, K. (1985) Orientation selectivity in cats and in humans assessed by masking. *Vision Research*, 25, 1459-1468.
- Blake, R., Holopigian, K., and Jauch, M. (1985) Another visual illusion involving orientation. *Vision Research*, 25, 1469-1476.
- Blake, R. and Boothroyd, K. (1985) The precedence of binocular fusion over binocular rivalry. *Perception & Psychophysics*, 37, 114-124.
- Blake, R., Zimba, L., and Williams, D. (1985) Binocular correspondence and visual motion. *Biological Cybernetics*, 52, 391-397.
- Greenwald, M. and Blake, R. (1985) Prolonged complementary chromatopsia in users of video display terminals. *American Journal of Ophthalmology*, 99, 735-736.
- Blake, R. and Bravo, M. (1985) Binocular rivalry suppression interferes with phase adaptation. *Perception & Psychophysics*, 38, 277-280.
- Holopigian, K., Blake, R., and Greenwald, M. (1986) Selective losses in binocularity in anisometric amblyopes. *Vision Research*, 26, 621-630.
- O'Shea, R.P. and Blake, R. (1986) Dichoptic temporal frequency differences do not lead to binocular rivalry. *Perception & Psychophysics*, 39, 59-63.
- Halpern, L., Blake, R., and Hilenbrand, J. (1986) Psychoacoustics of a chilling sound. *Perception & Psychophysics*, 39, 77-80.
- Blake, R., Holopigian, K., and Wilson, H.R. (1986) Spatial frequency discrimination in cats. *Journal of the Optical Society of America*, 3, 1442-1449.
- Halpern, L., Patterson, R., and Blake, R. (1986) Are stereoacuity and binocular rivalry related? *American Journal of Optometry and Physiological Optics*, 1987, 64, 41-44.
- Halpern, L., Patterson, R., and Blake, R. (1987) What causes tilt from spatial frequency disparity. *Vision Research*, 27, 1619-1630.
- O'Shea, R.P. and Blake, R. (1987) Depth without disparity in random dot stereograms. *Perception & Psychophysics*, 42, 205-214.
- Blake, R. and O'Shea, R. (1988) "Abnormal fusion" of stereopsis and binocular rivalry. *Psychological Review*, 95, 151-154.
- Sekuler, R. and Blake, R. (1988) Sensory underload. *Psychology Today*, 48-51.
- Wilson, H.R., Blake, R., and Pokorny, J. (1988) Limits of binocular fusion in the short wave sensitive cones. *Vision Research*, 28, 555-562.
- Blake, R. (1988) Cat spatial vision. *Trends in NeuroScience*, 11, 78-82.
- Westendorf, D. and Blake, R. (1988) Binocular reaction times to contrast increments. *Vision Research*, 28, 355-359.
- Rose, D., Blake, R., and Halpern, L. (1988) Disparity range for binocular summation. *Investigative Ophthalmology & Visual Science*, 29, 283-290.
- Sloane, M. and Blake, R. (1988) Perceptually unequal spatial frequencies do not yield stereoscopic tilt. *Perception & Psychophysics*, 42, 569-575.
- Holopigian, K., Blake, R., and Greenwald, M. (1988) Clinical suppression and amblyopia. *Investigative*

- Ophthalmology & Visual Science*, 29, 444-451.
- Blake, R. (1988) Dichoptic reading: The role of meaning on binocular rivalry. *Perception & Psychophysics*, 44, 133-141.
- Bravo, M., Blake, R., and Morrison, S. (1988) Cats see subjective contours. *Vision Research*, 28, 861-865.
- Rose, D. and Blake, R. Mislocalization of diplopic images. (1988) *Journal of the Optical Society of America A*, 5, 1512-1521.
- Blake, R. (1989) A neural theory of binocular rivalry. *Psychological Review*, 96, 145-167.
- Halpern, D.L. and Blake, R. (1988) How contrast affects stereoacuity. *Perception*, 17, 483-495.
- Nawrot, M. and Blake, R. (1989) Neural integration of information specifying structure from stereopsis and motion. *Science*, 244, 716-718.
- Mueller, T. J. & Blake, R. (1989) A fresh look at the temporal dynamics of binocular rivalry. *Biological Cybernetics*, 61, 223-232.
- Bravo, M. and Blake, R. (1990) Preattentive vision and perceptual groups. *Perception*, 19, 515-522.
- Mowafy, L., Blake, R. and Lappin, J.S. (1990) Detection and discrimination of coherent motion. *Perception & Psychophysics*, 48, 583-592.
- Blake, R., Westendorf, D. and Fox, R. (1990) Temporal perturbations of binocular rivalry. *Perception & Psychophysics*, 48, 593-602. PMID: 2270191
- Wiesenfelder, H. & Blake, R. (1990) The neural site of binocular rivalry relative to the analysis of motion in the human visual system. *Journal of Neuroscience*. 10. 3880-3888.
- Wilson, H.R., Blake, R. & Halpern, D.L. (1991) Coarse spatial scales constrain the range of binocular fusion on fine scales. *Journal of the Optical Society of America, A*, 8, 229-236.
- Nawrot, M. & Blake, R. (1991) On the interplay between stereopsis and structure from motion. *Perception & Psychophysics*. 49, 230-244.
- Wiesenfelder, H. & Blake, R. (1991) Apparent motion can survive binocular rivalry suppression. *Vision Research*. 31, 1589-1600.
- Lehky, S. and Blake, R. (1991) Organization of binocular pathways: Modeling and data related to rivalry. *Neural Computation*. 3, 44-53.
- Nawrot, M. and Blake, R. (1991) A neural network model of kinetic depth and stereopsis. *Visual Neuroscience*, 6, 219-227.
- Yang, Y. & Blake, R. (1991) Spatial frequency tuning of human stereopsis. *Vision Research*, 31, 1177-1189.
- Blake, R., Yang, Y. & Wilson, H.R. (1991) On the coexistence of stereopsis and binocular rivalry. *Vision Research*, 31, 1191-1203. PMID: 1891811
- Vaitkevicius, H., Blake, R. and Yang, Y. (1991) Dependence of depth perception on disparity and eccentricity. *Experimental Biology*, 2, 72-89.
- Blake, R., Westendorf, D.H. and Yang, Y. (1991) Discriminating binocular fusion from false fusion. *Investigative Ophthalmology & Visual Science*. 32, 2821-2825. PMID: 1894479
- Blake, R. & Wilson, H.R. (1991) Neural models of stereoscopic vision *Trends in NeuroScience*. 14, 445-452. PMID: 1722363
- Yang, Y., Rose, D. & Blake, R. (1992) On the variety of percepts associated with dichoptic viewing of dissimilar monocular stimuli. *Perception*, 21, 47-62.
- Fukuda, H. & Blake, R. (1992) Spatial interactions in binocular rivalry. *Journal of Experimental Psychology: Human Perception & Performance*, 18, 362-370. PMID: 1593223
- Cormack, R., Blake, R. & Hiris, E. (1992) Misdirected visual motion in the peripheral visual field. *Vision Research*. 32, 73-80.
- Yu, K. & Blake, R. (1992) Do recognizable figures enjoy an advantage in binocular rivalry? *Journal of Experimental Psychology: Human Perception & Performance*. 18, 1158-1173.
- Blake, R., O'Shea, R.P. & Mueller, T.J. (1992) Spatial zones of binocular rivalry in central and peripheral vision. *Visual Neuroscience*, 8, 469-478.
- Rizzo, M., Nawrot, M., Blake, R. & Damasio, A. (1992) A human visual disorder resembling area V4 dysfunction in the monkey. *Neurology*, 42, 1175-1180.
- Bravo, M. & Blake, R. (1992) The contributions of figure and ground textures to segmentation. *Vision Research*. 32, 1793-1800.
- Wiesenfelder, H. & Blake, R. (1992) Binocular rivalry suppression disrupts recovery from motion adaptation. *Visual Neuroscience*, 9, 143-148.

- Hiris, E. & Blake, R. (1992) Another perspective on the visual motion aftereffect. *Proceedings of the National Academy of Science* 89, 9025-9028. PMC50057
- Blake, R. (1993) Cats perceive biological motion. *Psychological Science* 4, 54-57.
- Nawrot, M. & Blake, R. (1993) On the perceptual identity of dynamic stereopsis and kinetic depth. *Vision Research*, 33, 1561-1571.
- Blake, R. & Hiris, E. (1993) Another means for measuring the motion aftereffect. *Vision Research*, 33, 1589-1592. PMID: 8351831
- Nawrot, M. & Blake, R. (1993) Visual alchemy: stereoscopic adaptation produces kinetic depth from random noise. *Perception*, 22, 635-642.
- Schall, J.D., Nawrot, M., Blake, R. & Yu, K. (1993) Visually guided attention is neutralized when informative cues are visible but unperceived. *Vision Research*. 33, 2057-2064.
- Harrad, R.A., McKee, S.P., Blake, R. & Yang, Y. (1994) Binocular rivalry disrupts stereopsis. *Perception*.23, 15-28.
- Blake, R. (1994) Gibson's inspired but latent prelude to visual motion perception. *Psychological Review* 101, 324-328. PMID: 8022963
- O'Shea, R.P., Blake, R. and Wolfe, J. (1994) Binocular rivalry and fusion under scotopic luminances. *Perception*., 23, 771-784.
- Gilden, D., Blake, R. & Hurst, G. (1995) Neural adaptation of imaginary motion. *Cognitive Psychology*, 28, 1-16.
- Yang, Y. & Blake, R. (1995) On the accuracy of surface reconstruction from disparity information. *Vision Research*, 35, 949-960. PMID: 7762152
- Hiris, E. & Blake, R. (1995) Discrimination of global motion when speed and direction of local motion vary. *Journal of Experimental Psychology: Human Perception and Performance*, 21, 308-317.
- Cogan, A., Kontsevich, L.L., Lomakin, A.J., Halpern, D.L. & Blake, R. (1995) Binocular disparity processing with opposite-contrast stimuli. *Perception* 24, 33-47.
- Steiner, V., Blake, R. & Rose, D. (1995) Interocular transfer of expansion, rotation and translation motion aftereffects. *Perception*, 23, 1197-1202. PMID: 7899035
- Yang, Y. & Blake, R. (1995) Neural mechanisms underlying visual perception of coherent motion are broadly tuned for spatial frequency. *Nature*, 371, 793-796.
- Gilden, D., Hiris, E. & Blake, R. (1995) The informational basis of motion coherence. *Psychological Science*, 6, 235-240.
- Wilson, H.W., Halpern, D.L. & Blake, R. (1996). Stereopsis from interocular spatial frequency differences is not robust. *Vision Research*, 36, 2263-2270.
- Hiris, E. & Blake, R. (1996) Direction repulsion in motion transparency. *Visual Neuroscience*, 13, 187-197.
- Blake, R., Cepeda, N.J., & Hiris, E. (1997). Memory for visual motion. *Journal of Experimental Psychology: Human Perception and Performance*, 23, 353-369. PMID: 9103999
- Blake, R. & Yang, Y. (1997) Spatial and temporal coherence in perceptual binding. *Proceedings of the National Academy of Science*, 94, 7115-7119.
- Ahlstrom, V., Blake, R. & Ahlstrom, U. (1997) Perception of biological motion. *Perception*, 26, 1539-1548. PMID: 9616481
- Blake, R. & Aiba, T.S. (1998) Detection and discrimination of coherent motion, *Japanese Psychological Research*, 40, 19-30.
- Blake, R., Yu, K., Fukuda, H. & Lokey, M. (1998) Binocular rivalry and visual motion. *Journal of Cognitive Neuroscience*, 10, 46-60. PMID: 9526082
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Visual binding of synesthetic colors to achromatic forms. Meetings of the Vision Sciences Society, Sarasota, 2001 (with T. Palmeri, R. Marois, W. Whetsell)

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Reconciling rival ideas about binocular rivalry. Conference on Perceptual Ambiguity, San Miniato, IT, 2002.

Binocular rivalry as a tool for studying the NCC. Toward a Science of Consciousness, Tucson AZ, 2002.

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Biologically relevant events are undetectable during suppression phases of binocular rivalry. Meetings of the Society for Neuroscience, Orlando FL, 2002 (co-authored with C.-Y. Kim & E. Grossman).

Perceptual reality of synesthetic colors and their interactions with real colors. Annual Meeting of the American Synesthesia Association, New York, 2003 (co-authored with T. Palmeri and others).

Motion prolongs dominance during binocular rivalry. Meetings of the Vision Sciences Society, Sarasota, 2003 (co-authored with K. Sobel).

Traveling waves of activity in V1 correlate with perceptual dominance during binocular rivalry. Meetings of the Vision Sciences Society, Sarasota, 2003 (co-authored with S.H. Lee & D. Heeger).

Brain activity reflects perceptual learning of point-light biological motion. Meetings of the Vision Sciences Society, Sarasota, 2003 (co-authored with E. Grossman & C.Y. Kim).

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Tactile perception can resolve visual ambiguity. International Australasian Winter Conference on Brain Research, 2003, Queenstown, New Zealand (with K. Sobel and T. James).

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Color promotes interocular grouping during binocular rivalry. Meetings of the Vision Sciences Society, Sarasota, 2004 (co-authored with C.Y. Kim). <http://www.journalofvision.org/4/8/240/>

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Cognitive factors influence perception of 3D structure from motion. Meetings of the Vision Sciences Society, Sarasota, 2004 (co-authored with L. Gilroy).

Adaptation as a tool for probing the neural correlates of consciousness. Fall Vision Meetings, Rochester NY, 2004.

What causes alternations during binocular rivalry? Meetings of the Society for Neuroscience, San Diego, 2004 (Program No. 865.1; co-authored with M. Kang and J. Schall).

Psychological tools for probing the mind. Japan Psychological Society, Niigata, Japan, 2004.

Negative afterimages generated during binocular rivalry show signs of weakness and signs of strength. Meetings of the Vision Sciences Society, Sarasota, 2005 (co-authored with L. Gilroy). <http://journalofvision.org/5/8/1/>

When a traveling wave meets a gap on its way. Meetings of the Vision Sciences Society, Sarasota, 2005 (co-authored with S.-I. Kim and S.-H. Lee). <http://journalofvision.org/5/8/2/>

Eccentricity dependency of the biological motion perception. Meetings of the Vision Sciences Society, Sarasota, 2005 (co-authored with H. Ikeda and K. Watanabe <file:///>). <http://journalofvision.org/5/8/17/>

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Temporal information for spatial grouping: Structure or synchrony? Meetings of the Vision Sciences Society, Sarasota, 2005 (co-authored with S. Guttman and L. Gilroy). <http://journalofvision.org/5/8/967/>

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Traveling waves of dominance: Gestalt Dynamics Revisited. Meetings of the Society for Experimental Psychology, Tampa 2005.

Biological Motion in Patients with Retinitis Pigmentosa. Meetings of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale FL, 2006 (co-authored with Holpigan et al).

Biological Motion, psychophysical thresholds and multifocal EFGs in patients with retinitis pigmentosa. 44th Annual ISCEV Symposium, Fontevraud Abbey, France, June 2006 (co-authored with Holopigian et al).

Unseen objects influence estimation of average size. Meetings of the Vision Sciences Society, Sarasota FL, May 2006 (co-authored with Sang Chul Chong). <http://journalofvision.org/6/6/44/>

How to enhance the incidence of stimulus rivalry. Meetings of the Vision Sciences Society, Sarasota FL, May 2006 (co-authored with Min-Suk Kang). <http://journalofvision.org/6/6/46/>

Dissociating microgenesis of retinal and non-retinal adaptation. Meetings of the Vision Sciences Society, Sarasota FL, May 2006 (co-authored with Nao Tsuchiya and others). <http://journalofvision.org/6/6/696/>

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Are real and synesthetic colors mediated by shared neural mechanisms? Meetings of the Vision Sciences Society, Sarasota FL, May 2006 (co-authored with Chai-Youn Kim). <http://journalofvision.org/6/6/1073/>

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Psychoacoustics of a chilling sound. Meetings of the Annual Interdisciplinary Conference, Jackson Hole WY 2007.

Increase of perceived speed accompanying onset of interocular suppression. Meetings of the Vision Sciences Society, Sarasota FL, May 2007 (co-authored with T. Knapen, J. Pearson, R. van eE). <http://journalofvision.org/7/9/52/>

Processing of fearful faces outside of awareness. Meetings of the Vision Sciences Society, Sarasota FL, May 2007 (co-authored with E. Yang, D. Zald). <http://journalofvision.org/7/9/64/>

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Synesthetic color appearance is immune to brightness contrast. Meetings of the Vision Sciences Society, Sarasota FL, May 2007 (co-authored with S. Hong). <http://journalofvision.org/7/9/531/>

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Electrophysiological and psychophysical measures of pattern and motion sensitivity in patients with cone dystrophy. (2007). Annual meeting of the International Society for the Clinical Electrophysiology of Vision; Hyderabad, India, 2007 (co-authored with K. Holopigian J.M. Gallardo, S.M. Hornik SM, R.E. Carr and W. Seiple).

Stimulus motion propels traveling waves in binocular rivalry. Meetings of the European Conference on Visual Perception, Arezzo, Italy, August 2007 (co-authored with T. Knapen & R. van eE)

The role of frontal areas in alternations during perceptual bistability. Meetings of the Vision Sciences Society, Naples FL, May 2008 (co-authored with T. Knapen, J. Pearson, J. Brascamp & R. van Ee) <http://journalofvision.org/8/6/254/>

Suppression during binocular rivalry broadens orientation tuning. Meetings of the Vision Sciences Society, Naples FL, May 2008 (co-authored with S. Ling) <http://journalofvision.org/8/6/246/>

Slow changes in neural state mediate perceptual switches in intermittent binocular rivalry. Meetings of the Vision Sciences Society, Naples FL, May 2008 (co-authored with J. Brascamp, J. Pearson & A. van den Berg) <http://journalofvision.org/8/6/786/>

Channel-specific, monocular adaptation to dynamic Mondrian patterns revealed during binocular rivalry. Meetings of the Vision Sciences Society, Naples FL, May 2008 (co-authored with S. Hong) <http://journalofvision.org/8/6/799/>

A novel technique for generating perceptual waves during binocular rivalry and binocular fusion. Meetings of the Vision Sciences Society, Naples FL, May 2008 (co-authored with M. Kang) <http://journalofvision.org/8/6/787/>

Binocular rivalry and neural dynamics. Meetings of the International Congress of Psychology, Berlin, Germany, July 2008.

An event-related fMRI study of biological motion perception and social functioning in schizophrenia. Meetings of the International Society of Schizophrenia Research, March 2009, San Diego (co-authored by Jejoong Kim and Sohee Park).

Depth ambiguities and adaptation aftereffects in perception of point-light biological motion. Meetings of the Vision Sciences Society, Naples FL, May 2009 (co-authored with S. Jackson) <http://journalofvision.org/9/8/617/>

Where orientation tuning arises. Meetings of the Vision Sciences Society, Naples FL, May 2009 (co-authored with S. Ling & J. Pearson) <http://journalofvision.org/9/8/773/>

Visual illusions involving contextual modulations are weak in schizophrenia and in bipolar disorder. Meetings of the Vision Sciences Society, Naples FL, May 2009 (co-authored with E. Yang and others) <http://journalofvision.org/9/8/1029/>

Visual perception of motion produced solely by kinesthesia. Meetings of the Vision Sciences Society, Naples FL, May 2010 (co-authored with K. Dieter & D. Tadin) <http://www.journalofvision.org/content/10/7/851>

Adaptation aftereffects to facial expressions viewed without visual awareness. <http://www.journalofvision.org/content/10/7/623> E. Yang & S.W. Hong). <http://www.journalofvision.org/content/10/7/623>

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Why is continuous flash suppression so potent? Meetings of the Vision Sciences Society, Naples FL, May 2010 (co-authored with E. Yang). <http://www.journalofvision.org/content/10/7/336>

Plasticity of interocular inhibition with prolonged binocular rivalry. Meetings of the Vision Sciences Society, Naples FL, May 2010 (co-authored with C. Klink et al.) <http://www.journalofvision.org/content/10/7/354>

Perceptual indecision during perceptual bistability: the role of right frontal cortex. Meetings of the Society for Neuroscience San Diego, (November 2010 (co-authored with T. Knäpen, J. Brascamp, J. Pearson, R. van Ee)

Binocular rivalry. Invited talk at Meetings of the Optical Society of American, Seattle WA (October 2011).

Transition between stereopsis and binocular rivalry is based on perceived rather than physical orientation. Meetings of the Vision Sciences Society, Naples FL, May 2011 (co-authored Adriën Chopin and Pascal Mamassian). <http://www.journalofvision.org/content/11/11/301>

Learning where to attend: Priming of pop-out drives target selection. Meetings of the Vision Sciences Society, Naples FL, May 2011 (co-authored with A. Kristjánsson and Jan Brascamp). <http://www.journalofvision.org/content/11/11/239>

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Visual perception of ambiguous structure from motion is predicted by BOLD responses in neural populations in human MT+ jointly selective for 3D depth and motion. Meetings of the Society for Neuroscience, Washington DC, November 2011 (co-authored with Hana Oh and Sang-Hun Lee).

Perceptual proof that inattention abolishes binocular rivalry. Meetings of the Vision Sciences Society, Naples FL, May 2012 (co-authored with Jan Brascamp). [Video overview](http://www.journalofvision.org/content/12/9/1262.abstract) <http://www.journalofvision.org/content/12/9/1262.abstract>

Normalization regulates competition for visual awareness. Meetings of the Vision Sciences Society, Naples FL, May 2012 (co-authored with Sam Ling). <http://www.journalofvision.org/content/12/9/684.abstract>

Complementary spatial interactions between binocular rivalry and stimulus rivalry. Meetings of the Vision Sciences Society, Naples FL, May 2012 (co-authored with H. Sohn & S.H. Lee). [Online poster](http://www.journalofvision.org/content/12/9/207.abstract) <http://www.journalofvision.org/content/12/9/207.abstract>

Advantage of fearful faces in breaking interocular suppression is preserved after amygdala lesions. Meetings of the Vision Sciences Society, Naples FL, May 2012 (co-authored with E. Yang, M. McHugo, M. Dukic & D. Zald). <http://www.journalofvision.org/content/12/9/679.abstract>

Decomposition of BOLD activity into tuned and untuned components reveals cohabitation of stimulus and choice information. July 2012, Asia-Pacific Conference on Vision (co-authored with K.-W. Choe)

- & S.H. Lee) <http://i-perception.perceptionweb.com/journal//volume/3/article/if609>
- Individual differences in the perception of biological motion and fragmented figures are not correlated. July 2012, Asia-Pacific Conference on Vision (co-authored with E. Yang, A. Zadbood & S.H. Lee). <http://i-perception.perceptionweb.com/journal//volume/3/article/if722>
- Center/surround motion interactions measured using a nulling procedure. July 2012, Asia-Pacific Conference on Vision (co-authored with S.H. Park & S.H. Lee). <http://i-perception.perceptionweb.com/journal//volume/3/article/if733>
- Binocular rivalry requires attention. July 2012, Association for Scientific Study of Consciousness, Brighton UK (co-authored with J.W. Brascamp)
- Decomposition of stimulus representations and decision-bias in population activity of human primary visual cortex. Meetings of the Vision Sciences Society, Naples FL, May 2013 (co-authored with K.W. Choe & S.H. Lee). <http://www.journalofvision.org/content/13/9/1264.abstract>
- Perceptual suppression during stimulus rivalry diminishes contrast adaptation at eye-specific processing stages. Meetings of the Vision Sciences Society, Naples FL, May 2013 (co-authored with J. Brascamp H. Sohn & S.H. Lee). <http://www.journalofvision.org/content/13/9/543.abstract>
- The occipital face area is causally involved in viewpoint symmetry judgments of faces. Meetings of the Vision Sciences Society, St. Petersburg, FL, May 2014 (co-authored T.C. Kietzmann et al.) [J Vis August 22, 2014 14\(10\): 125; doi:10.1167/14.10.125](http://www.journalofvision.org/content/13/9/1264.abstract)
- Correcting video-based eye tracking signals for pupil size artifacts. Meetings of the Vision Sciences Society, St. Petersburg, FL, May 2014 (co-authored with K.W. Choe & Sang-hun Lee). [J Vis August 22, 2014 14\(10\): 754; doi:10.1167/14.10.754](http://www.journalofvision.org/content/13/9/1264.abstract)
- Brain responses accompanying unnoticed switches in dominance during binocular rivalry. Meetings of the Organization for Human Brain Mapping, Hamburg, Germany June 2014 (co-authored with J. Brascamp, T. Knapen). Abstr. 41890, <http://www.humanbrainmapping.org/files/2014Posters.pdf>
- Seeing what you hear: Melody enhances perceptual dominance of musical notes engaged in binocular rivalry. Annual Meeting of the Korean Society for Cognitive and Biological Psychology, Jeju, South Korea, Jan. 2015 (co-authored with M. Lee, M., S. Kim, S., & Kim, C-Y)
- Sensory eye dominance varies within the visual field. Meetings of the Vision Sciences Society, St. Petersburg, FL, May 2015 (co-authored with K. Dieter). [J. Vis September 2015, Vol.15, 268. doi:10.1167/15.12.268.](http://www.journalofvision.org/content/13/9/1264.abstract)
- Seeing in tune. Annual meetings of the Society for Music Perception & Cognition, Nashville TN, Aug. 2015.
- Unreportable switches in bistable perception produce negligible fronto-parietal BOLD activity. Meetings of the Vision Sciences Society, St. Petersburg, FL (co-authored with T. Knapen & J. Brascamp) 2016 <http://jov.arvojournals.org/article.aspx?articleid=2551299&resultClick=1>

INVITED ADDRESSES AND COLLOQUIA

- Spatial vision in humans and cats. U. North Carolina, Chape Hill, 1978; Laboratorio di Neurofisiologia, Pisa, Italy, 1979; Erasmus University Medical School, Rotterdam, The Netherlands, 1979; University of Virginia, Charlottesville, 1977; University of Houston School of Optometry, 1977; Bell Laboratories, Murray Hill, 1975; Conference on Visual Perception, Badenweiler, FRG, 1987; Vanderbilt University, 1984; Chicago Chapter, Neuroscience Society, 1986; Hokkaido University, 1992; Otago University, Dunedin NZ, 1995
- Binocular vision in animals and man. University of Arkansas, 1979; Eye Institute, NIH, Bethesda, 1980; Illinois College of Optometry, Chicago, 1979; Visual Sciences Center, University of Rochester, 1978; Dalhousie University, Halifax, Canada, 1974; Symposim on Visual Development, University of Minnesota, 1976.
- Social psychology of binocular vision. University of Alabama, Birmingham, 1984; Dartmouth College, 1984; York University, Toronto, 1983; Brown University, 1982; Massachusetts Institute of Technology, Cambridge, 1980; University of British Columbia, Vancouver, Canada, 1980; University of Victoria, Canada, 1980; University of Houston, 1979; Vanderbilt University, 1979; Loyola University, Chicago, 1977; University of Arkansas, 1983; University of North Carolina, Chapel Hill, 1979.
- Is binocular vision always monocular? University of Chicago, 1978; City College of Optometry, New

York, 1978; DePaul University, 1979; University of Michigan, Ann Arbor, 1978; Michigan State University, 1978; Miami University, Oxford, 1976.

Correlating visual psychophysics and visual neurophysiology. Visual Sciences Center, University of Rochester, 1977; University of Texas, Austin, 1978; NIMH Conference on Measurement of Vision and Hearing during the First Year of Life, 1982.

Psychoanatomy of Human Vision. Psychophysical strategies for localizing sites of action in human visual system. Cognitive Neuroscience Meetings, Barcelona, Spain, 1979. Illinois College of Optometry, 1984; University of Alabama, Birmingham, 1984; Michigan State University, 1984; University of Arkansas, 1985; University of Missouri School of Optometry, St. Louis, 1986; M.I.T., Cambridge Mass., 1985; University of Illinois, Circle Campus, 1986.; Vanderbilt University, 1987; University of Colorado, 1989; Brandeis University, 1989; University of Chicago, 1990; Eastern Psychological Association, 1990; University of Iowa, 1990; International Society for Psychophysics, Duke University, 1991; University of Toronto, 1992; University of North Carolina, Greensborough, 1992; Kyoto University, 1992; Tokyo University, 1992; Hokkaido University, 1992; Nippon Telephone/Telegraph, Tokyo, 1992; Johns Hopkins University, 1993; Otago University, Dunedin NZ, 1995; Duke University, 1995; North Dakota State University, 1996; University of North Carolina, Chapel Hill, 1997; American Academy of Neurology, Boston, 1997; Southern College of Optometry, 1998; University of Rochester, 1998; Sewanee University, 1998; Harvard University 1999; Cognitive Sciences Institute, U. Louisiana, Lafayette, 2000; Yonsei University, Seoul Korea, 2000; Seoul National University, 2000; University of Western Ontario, 2000; York University, 2001; Northwestern University, 2002; UCLA, 2002; University of Rochester, 2004

Structure from motion and stereopsis. Massachusetts Institute of Technology, Cambridge, 1990; Optical Society of America, San Jose, 1991; York University, 1992

Visual Grouping By Spatial and Temporal Structure. Brandeis University, 1997; University of North Carolina, Chapel Hill, 1997; Stanford University, 1999, Massachusetts Institute of Technology, Cambridge, 1999; IEEE Workshop on Biologically Motivated Vision, Seoul Korea, 2000; Max Planck Institute, Frankfurt, 2000; University of Bochum, 2000; University of Tuebingen, 2000; New York University, 2000; Brown University, 2000; Montana State University, 2001; Dartmouth University, 2001; Conference on Cortical Dynamics, Big Sky MT, 2001; Duke University, 2001; National Institutes of Health, 2002

Role of knowledge in visual perception. ATR Workshop on Vision, Nara Japan, 1997; Southern College of Optometry, 1998; Belmont University, 2005; University School Nashville, 2014

Visual Awareness. International Conference on Neural Information Processing, 1997, Otago University, Dunedin NZ; University of Texas, Austin, 1999; Boston University, 1999; California Institute of Technology, 1999; University of Western Ontario, 2000; Toward a Science of Consciousness, Tucson, 2002; Florida Atlantic University, 2014.

Using science fiction to teach science fact. Cumberland Science Museum, Nashville TN, 1998; Southern Book Society, 1998; Texas Association for the Gifted and Talented, El Paso, 1999

Living in the 21st Century with a Stone-age Brain. Arts & Science Day, Vanderbilt University, 2000; John F. Kennedy Center for Human Development, Crossroads Program, 2000; Belle Meade Country Club, Nashville TN, 2009

When Color Pops Out in the Brain. Harvard University, 2002; Nashville Rotary Club, 2002 University of Texas, Austin, 2002; University of Chicago, 2003; McMaster University, 2003; University of Texas, Arlington, 2004; New York University, 2004; Annual Interdisciplinary Conference, 2004; New York University, 2004; Yale University, 2004; Princeton University, 2004; Rutgers University, 2004; Indiana University, 2004; Kanazawa University, 2004; Kyoto University, 2004; Otago University, 2006; University of California, Irvine, 2006, Utrecht University, 2006; Duke University, 2006, Belmont University, 2007; Miami (OH) University, 2007; Northeastern University, 2007; West Virginia University, 2007; Berry College (GA), 2011

Cortical dynamics underlying visual perception, 5th International workshop on Attention and Cognition, Tokyo, 2004 (<http://home.hiroshima-u.ac.jp/jkawa/AandC/#2004>)

Strategies for studying the neural correlates of consciousness. California Institute of Technology, 2005; Harvard University, 2005; Otago University, 2006

Resolving Visual Conflict: Center for Visual Sciences, Rochester University, 2008; Macquire University, Sydney AU, 2009; University of Sydney, Sydney AU, 2009; University of Queensland, Brisbane AU, 2009; [Asia-Pacific Conference on Vision](#), Incheon ROK, 2012; VisioNewYork, 2013; York University,

2013; University of California, Berkeley, 2013; Macquarie University, 2013; Brandeis University, 2013, Florida Atlantic University, 2014; Dartmouth College, 2014; Université Paris Descartes, 2016
Actions Speak Louder than Words: Visual Perception of Biological Motion. World Class University Symposium, 2010, Seoul ROK; Yonsei University, Seoul ROK, 2010; Korea University, Seoul ROK, 2010; Ajou University, Suwon ROK, 2011; Florida Atlantic University, 2014.
How the brain constructs reality. Osher Institute, Vanderbilt University, 2014; Seoul National University, 2014

DISSERTATION STUDENTS SUPERVISED

John Camisa, Sandra Lema-Stern, Randall Overton, Michael Sloane, William Martens, Karen Holopigian, Mary Bravo, Mark Nawrot, Heidi Wiesenfelder, Yuede Yang, Karen Yu, Eric Hiris, Vicki Ahlstrom, Sang-Hun Lee, Emily Grossman, Chai-Youn Kim, Min-Suk Kang, Eunice Yang

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